

Fig. 1 PRIOR ART

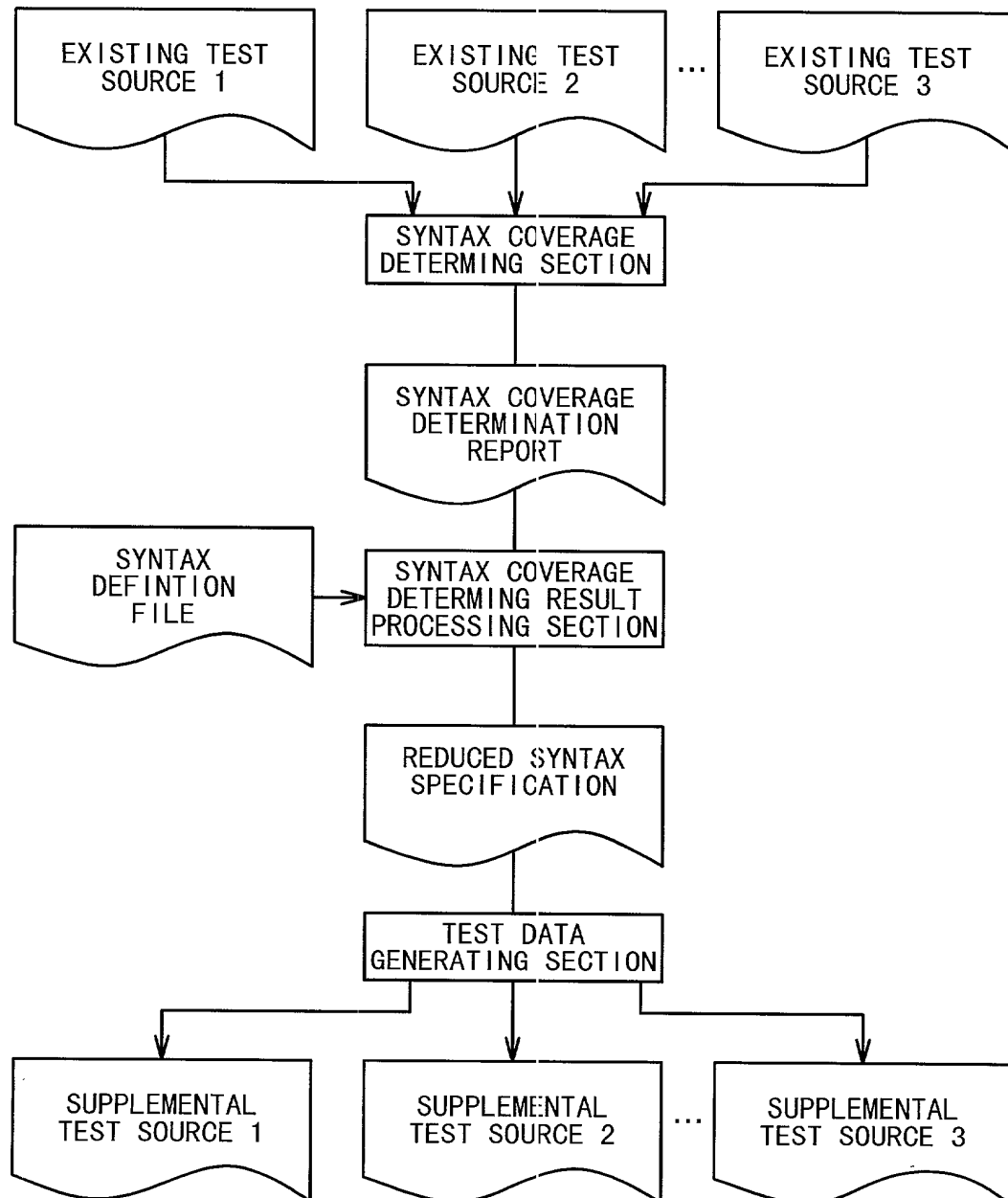


Fig. 2 PRIOR ART

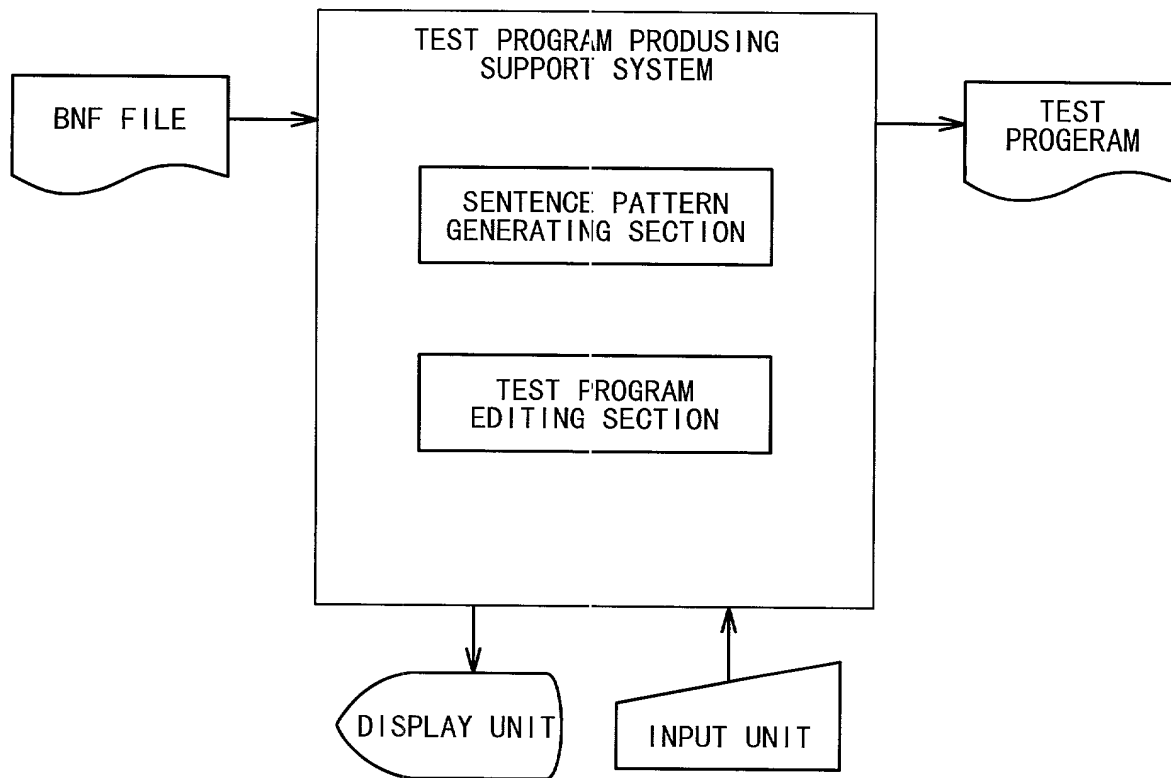


Fig. 3 PRIOR ART

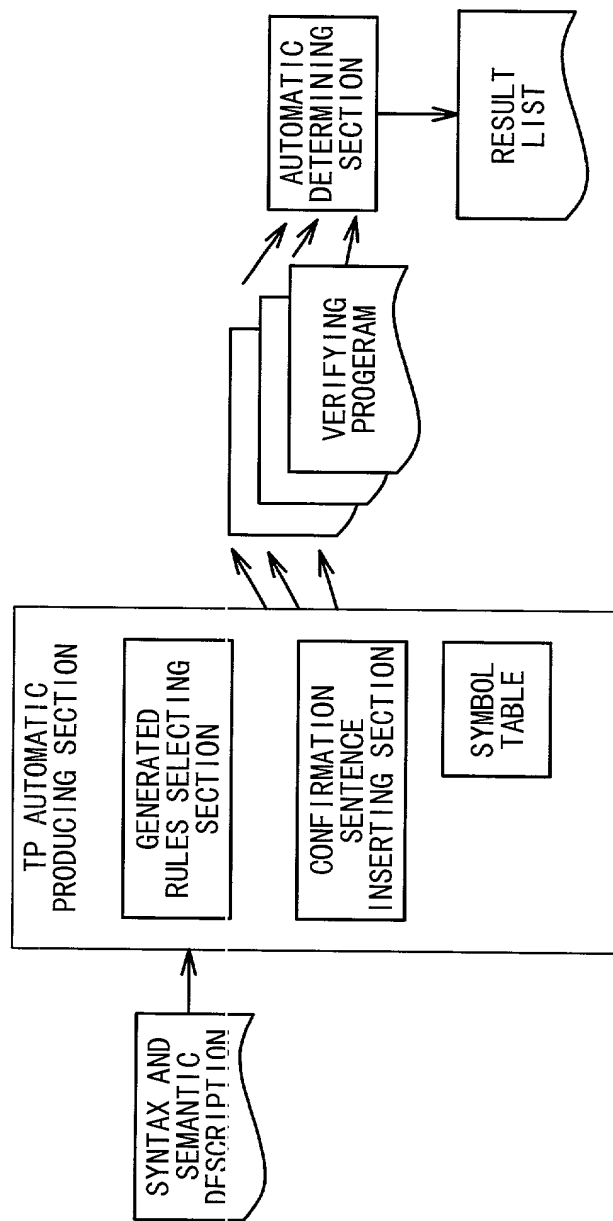


Fig. 4

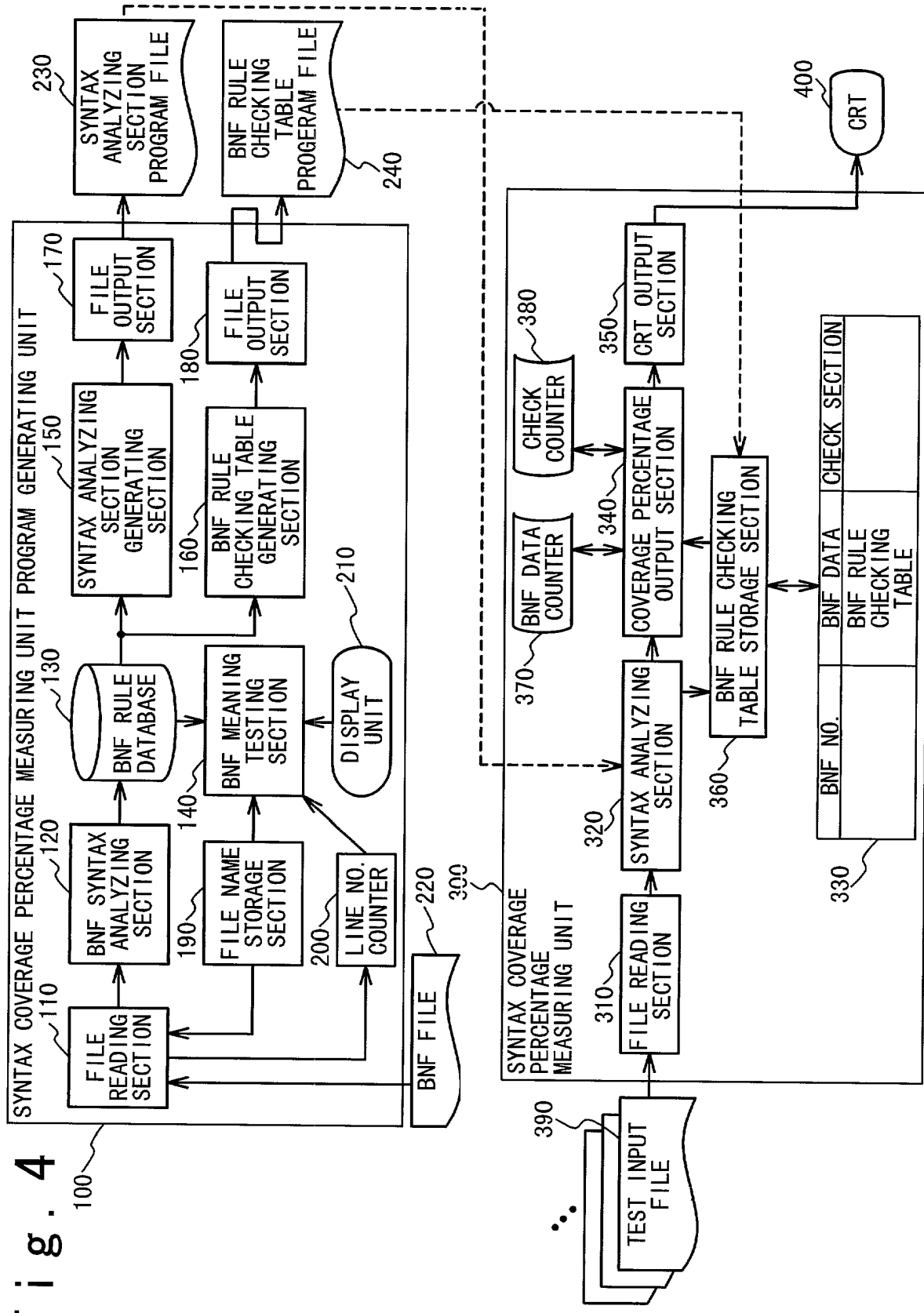


Fig. 5

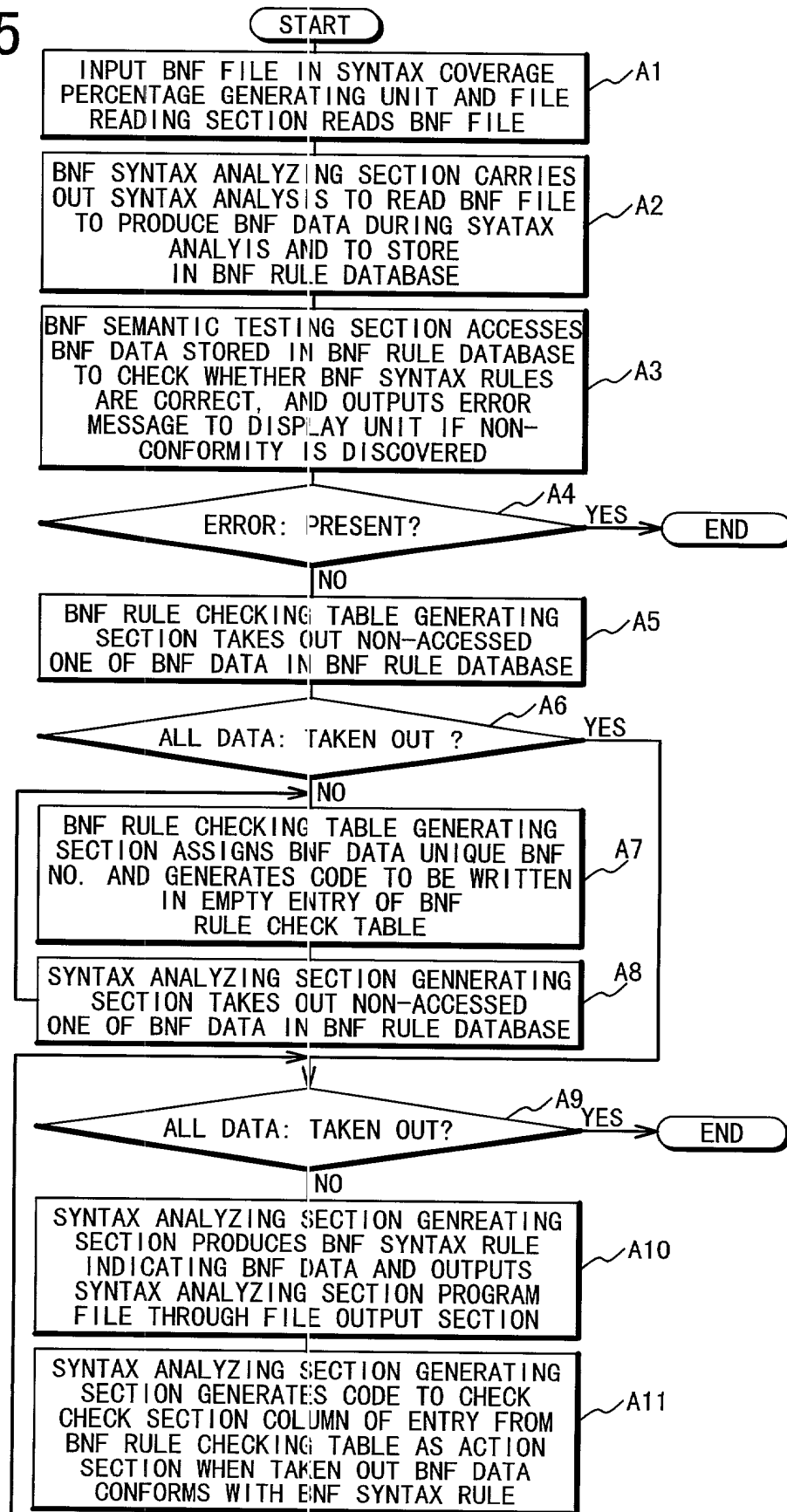


Fig. 6

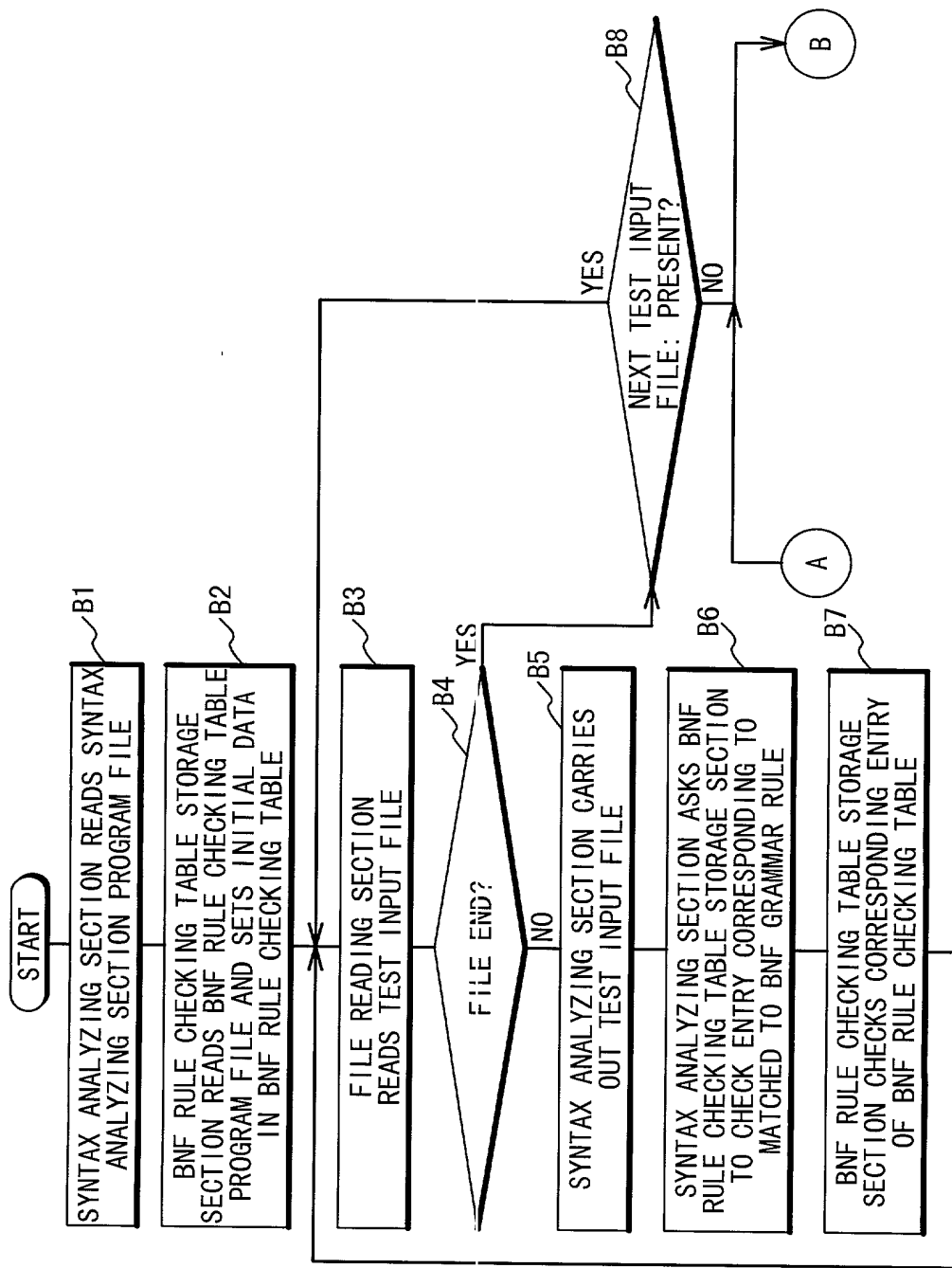


Fig. 7

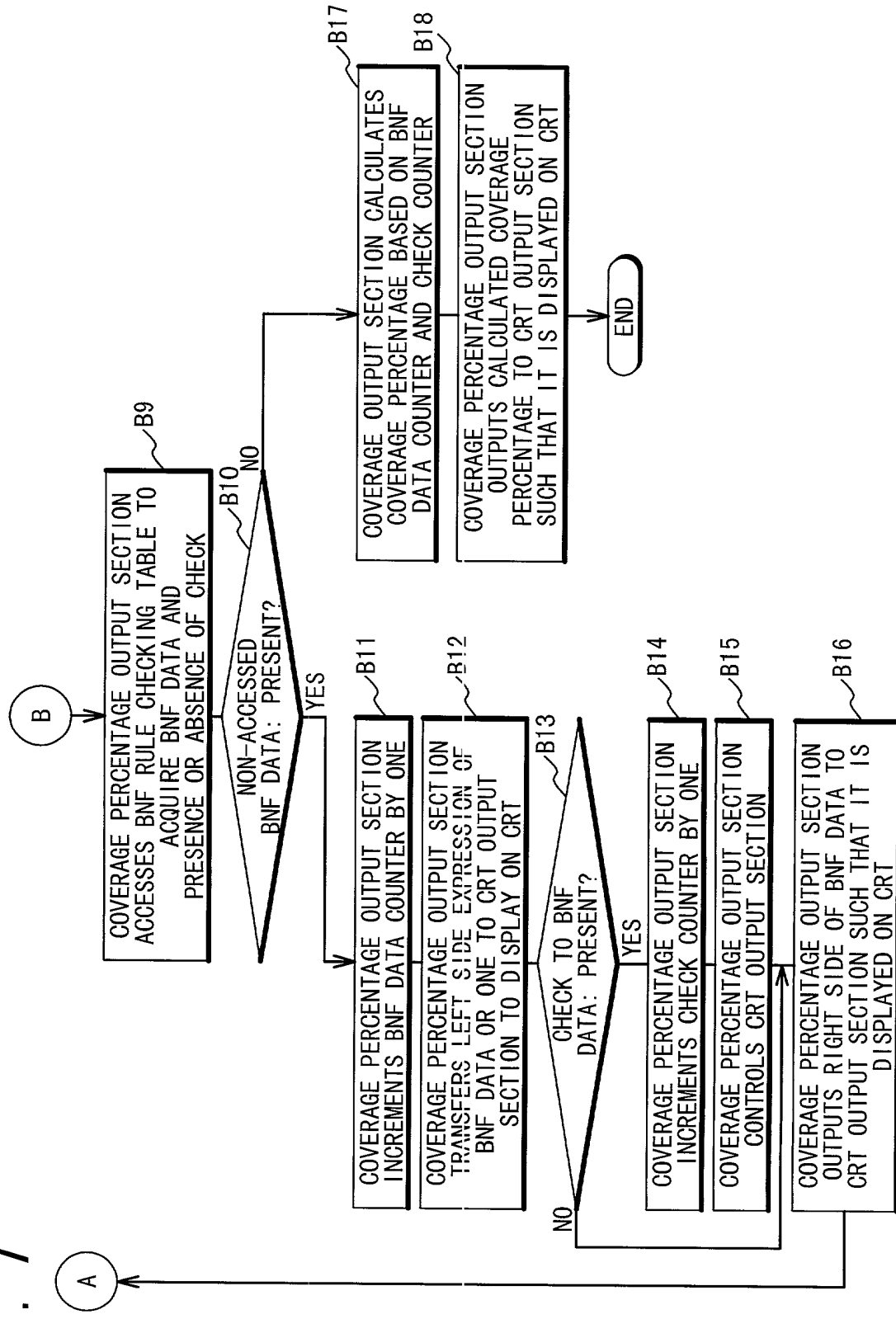


Fig. 8

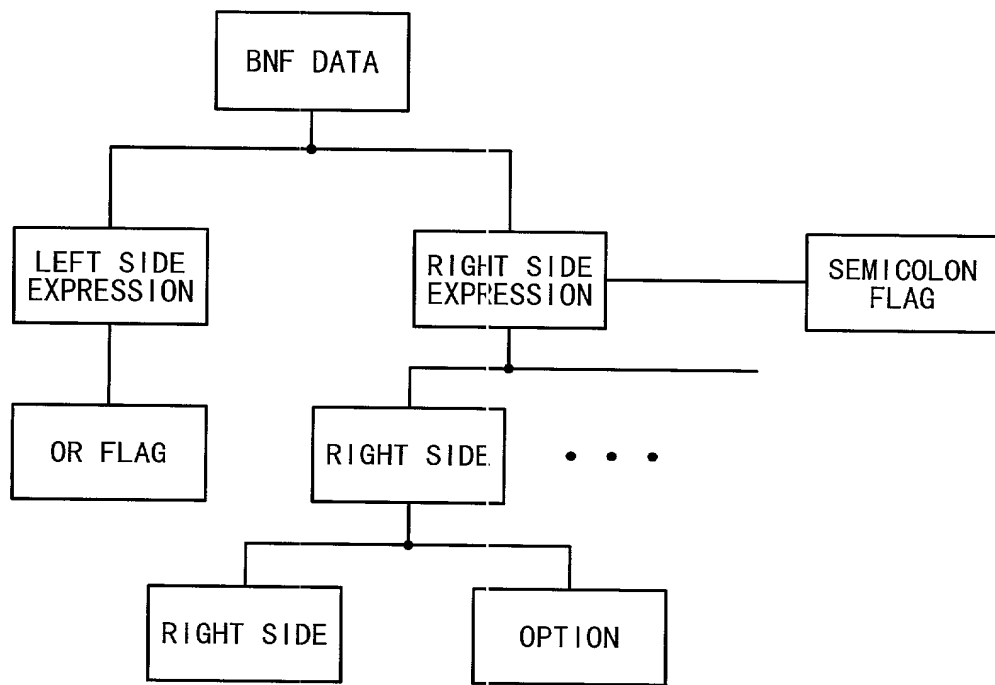


Fig. 9

```
(OMITTED)
/***** BNF GRAMMER RULE GROUP *****/
packages ::=package1:e1 packages:e2
      |
      ;
package1 ::=PACKAGE packageName:e1 BEGIN
      attributeBody: e2
      actionBody: e3
      notificationBody:e4
      END
      ;
acttributeBody ::=ATTRIBUTES BEGIN
      attributes:e
      END
      ;
attributes ::=attribute:e1 SEMICOLON attributes:e2
      |
      ;
acttribute ::=attributeName:e1 type:e2 support:e3
      ;
```

Fig. 10

```
(OMITTED)
type ::=NORMAL
      |   SHARED
      |   NEATTER neAttr:e
      ;

neAttr ::=BEGIN neInfs:e END
      ;

neInfs ::=packageptr SEMICOLON
        segment:e1 SEMICOLON
        offset:e3 SEMICOLON
        encodefunc:e4 SEMICOLON
        encodefunc:e5 SEMICOLON
        ;
```

Fig. 11

(OMTTED)
segment ::=SEGMENT segNo:e ;
offset ::=OFFSET address:e ;
size ::=DATASIZE length:e ;
encodeFunc ::=ENCODE funcName:e ;
decodeFunc ::=DECODE funcName:e ;
segNO ::=integer:e ;
length ::=address:e ;
 | OPENPR integer:e CLOSER ;
 ;
address ::=integer:e1 bit:e2 ;
bit ::=OPENPR integer:e2 CLOSER
 |
 ;

Fig. 12

```
packages ::=
* package1 packages
  | *
  ;
package1 ::=
* PACKAGE packageName BEGIN attributeBody
  actionBody notificationBody END
  ;
attributeBody ::=
* ATTRIBUTES BEGIN attributes END
  |
  ;
attributes ::=
* attribute SEMICOLON attributes
  | *
  ;
attribute ::=
* attributName type suppout
  ;
```

Fig. 13

```
(OMITTED)
type ::=
* NORMAL
  | SHARED
  | * NEATTR neAttr
  ;
neAttr ::=
* BEGIN neInfos END
  ;
neInfos ::=
* packageptr SEMICOLON segment SEMICOLON size
  SEMICOLON offset SEMICOLON encodeFunc SEMICOLON
  decodeFunc SEMICOLON
  ;
```

Fig. 14

(OMITTED)

```
segemnt ::=
* SEGMENT  seNo
;
offset ::=
* OFFSET  address
;
size ::=
* DATASIZE  length
;
encodeFunc ::=
* ENCODE  funcName
;
decodeFunc ::=
* DECODE  funcName
;
segNo ::=
* integer
;
length ::=
* address
  | OPENPR  integer  CLOSEPR
;
address ::=
* integer  bit
;
bit ::=
* OPENPR  integer  CLOSEPR
  |
;
coverage =34%
```


Fig. 16

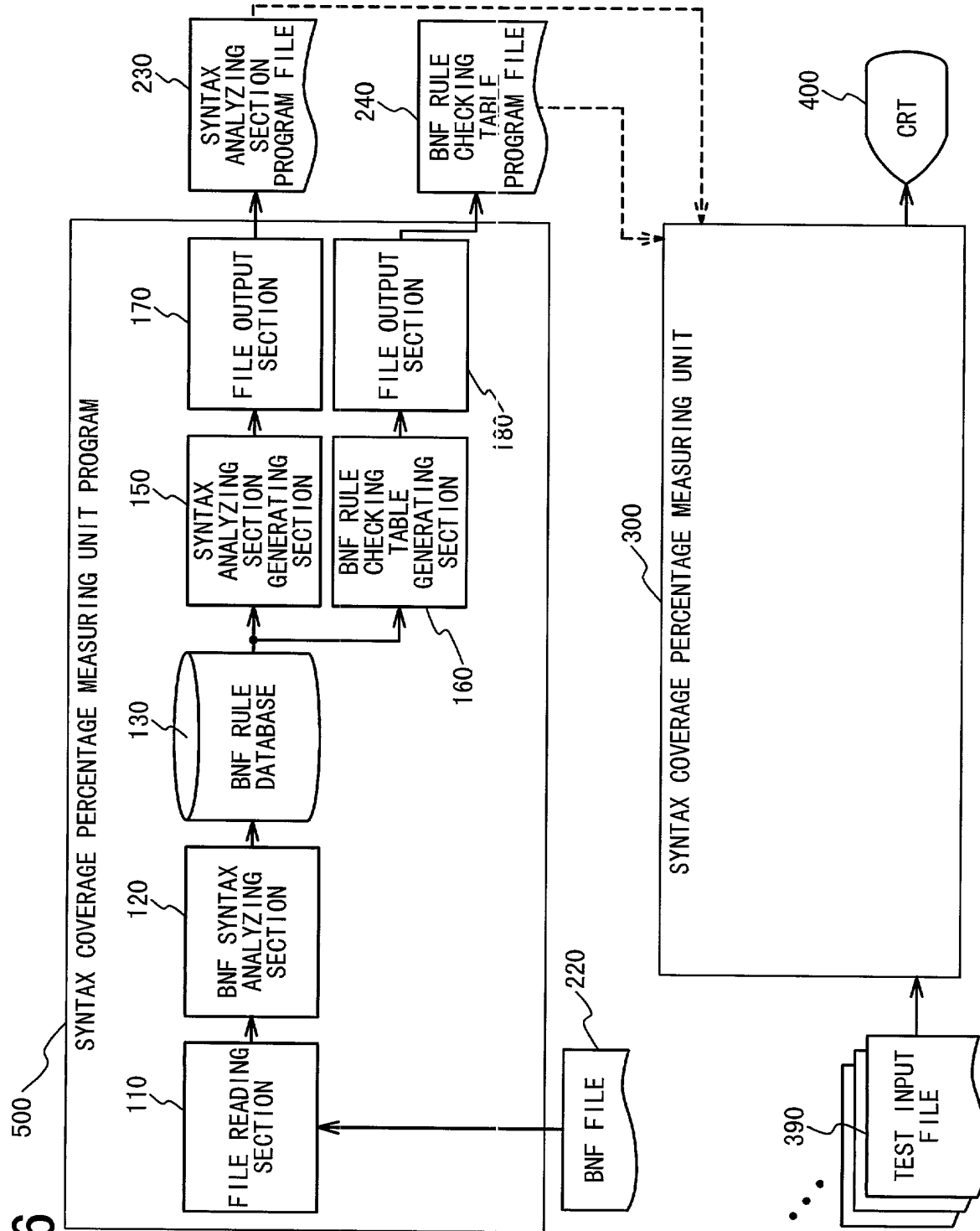


Fig. 17

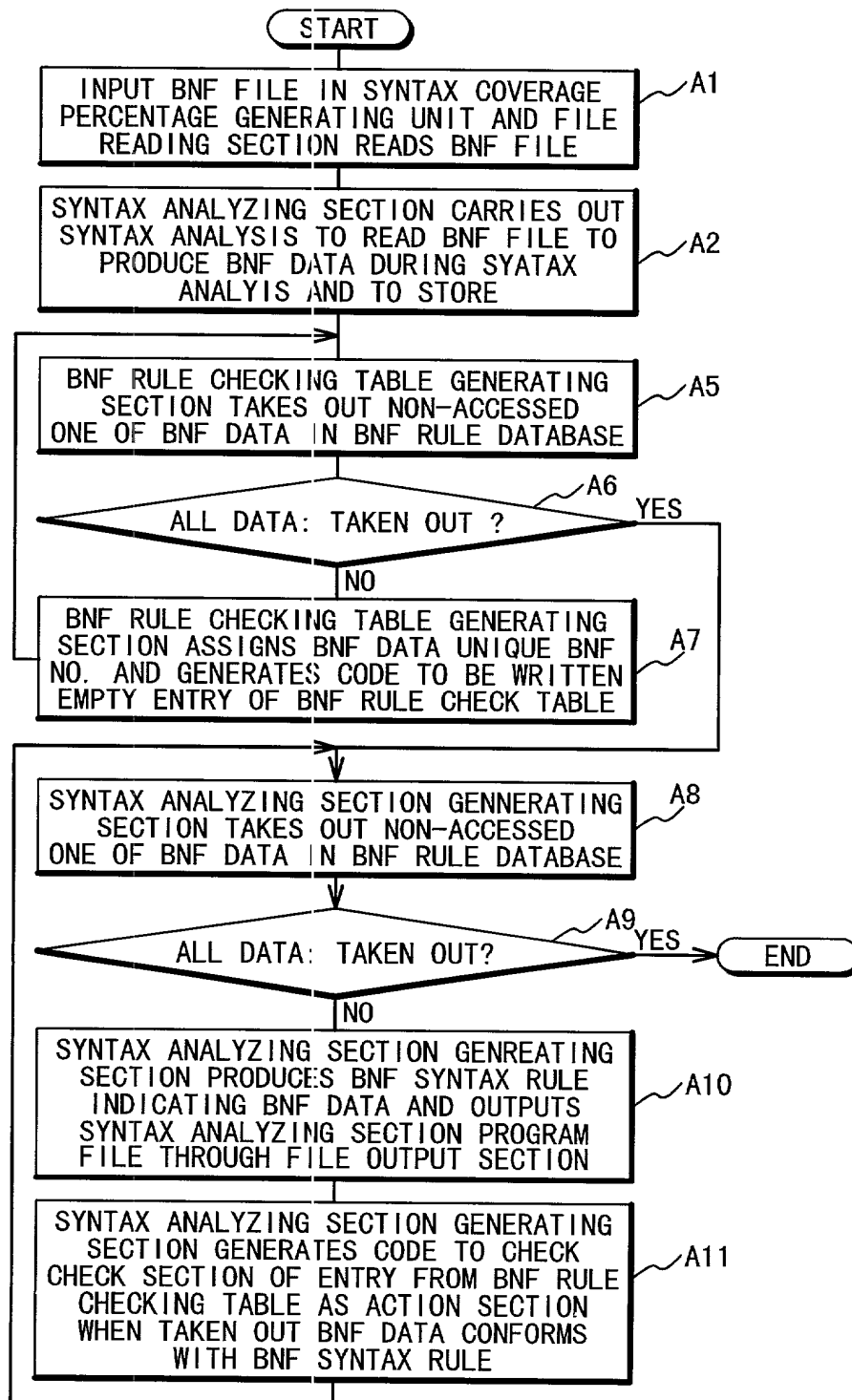


Fig. 18

100/500

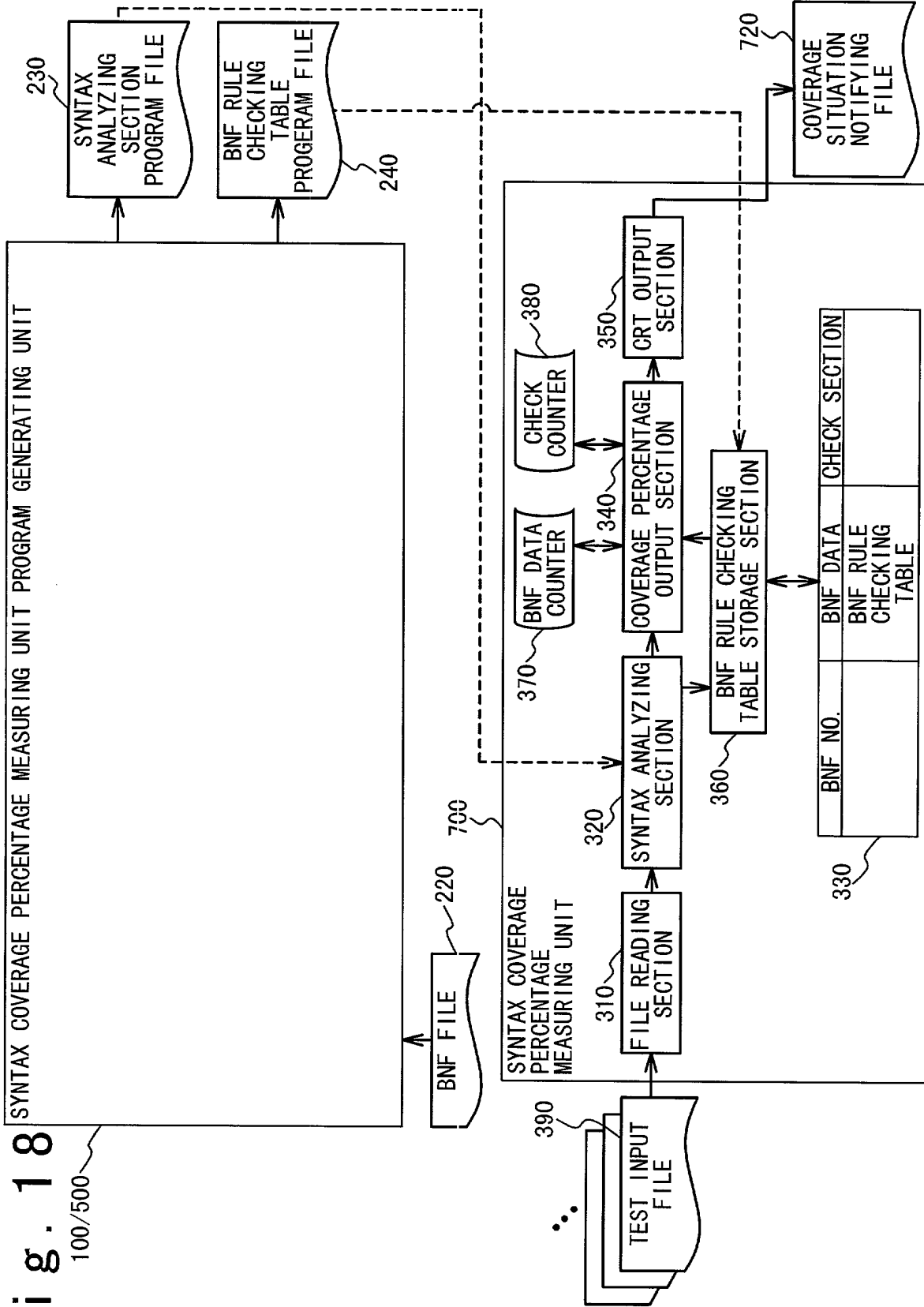


Fig. 19

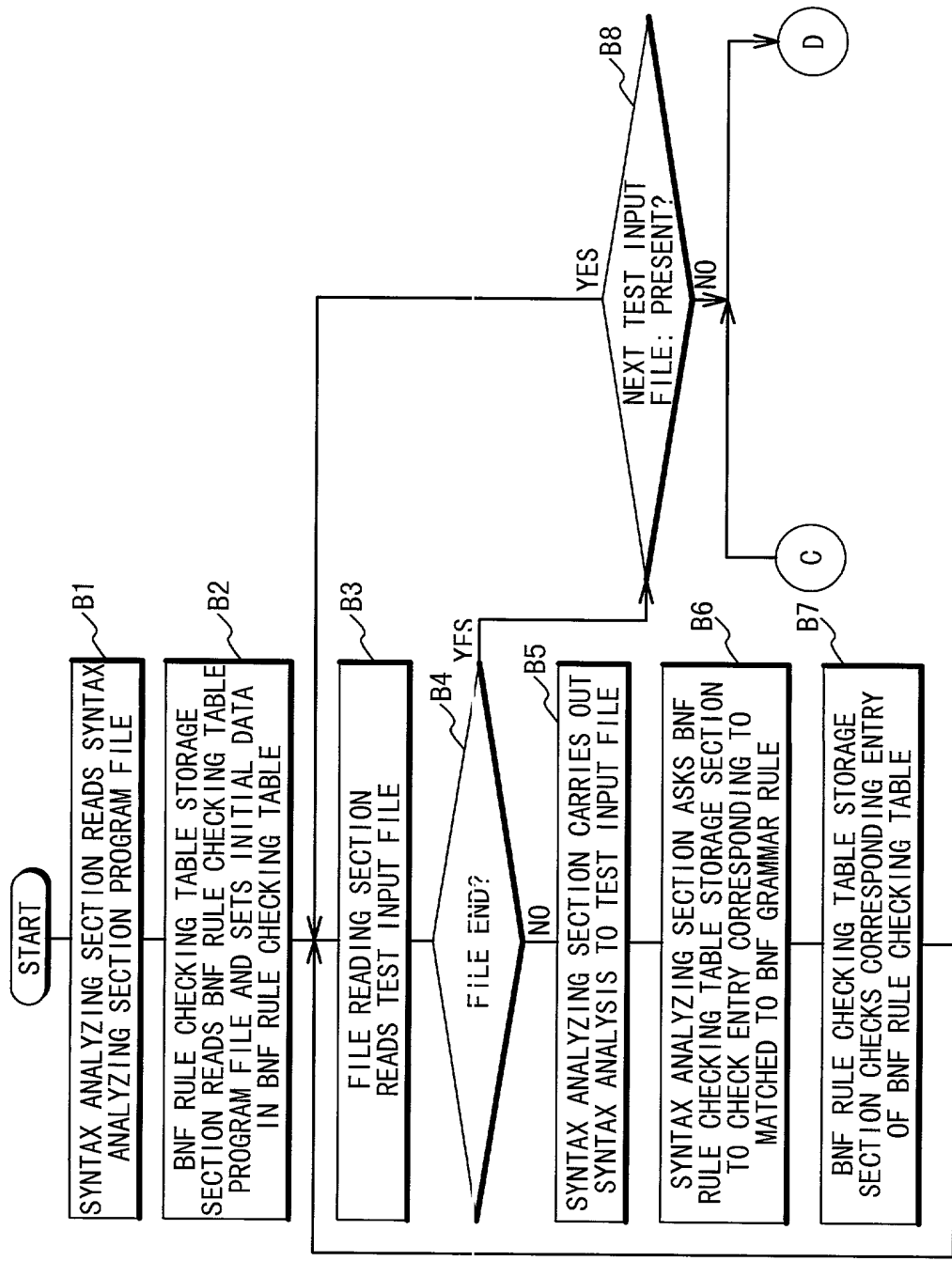
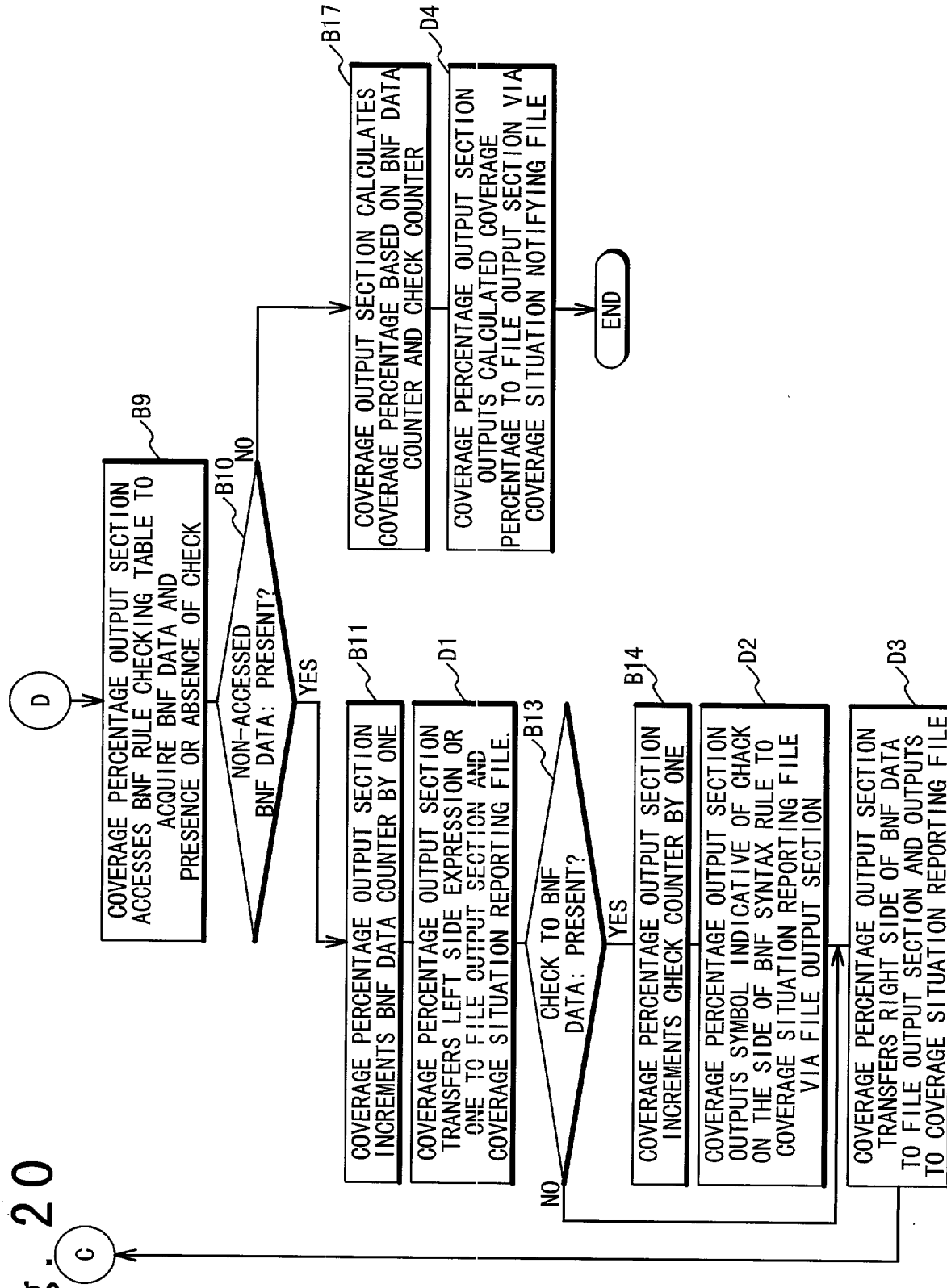


Fig. 20



SYNTAX COVERAGE PERCENTAGE MEASURING UNIT PROGRAM GENERATING UNIT

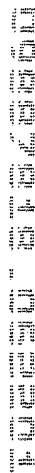
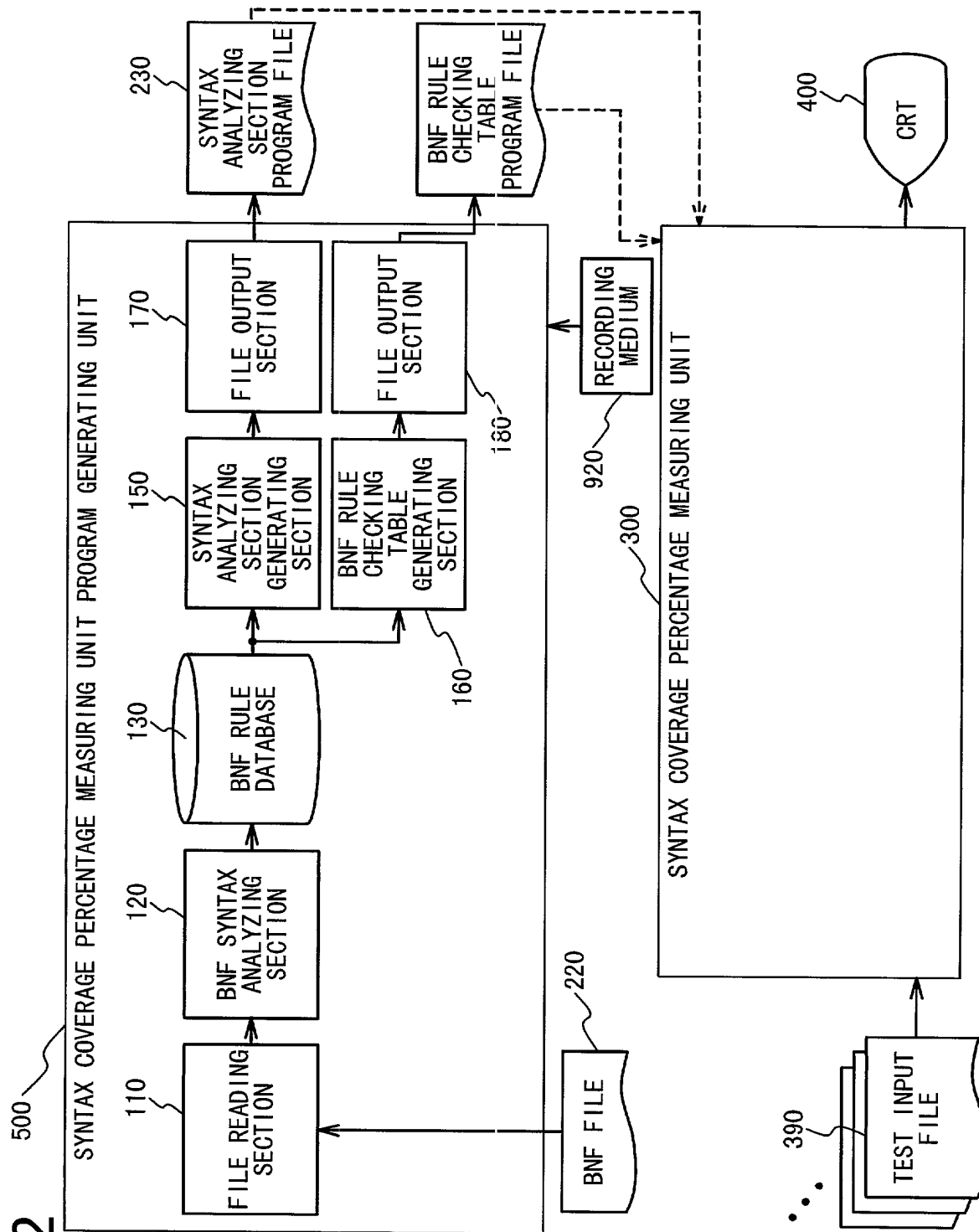


Fig. 22



Fi. 23

100/500-

